

30TH ANNUAL SWQM WORKSHOP
November 1-3, 2016
Mayan Ranch – Bandera, Texas

Wednesday, November 2

- 8:30 **Welcome and Housekeeping** – Michele Blair - SWQM CO, TCEQ
- 8:40 **Welcome, Updates, and Introductions** – Andrew Sullivan – SWQM CO, Monitoring and Assessment Section, TCEQ
- 8:50 **Water Quality, What We Collect and Why**– Angela Kilpatrick – Trinity River Authority
- 9:20 **Data Management** – Cathy Anderson/Terra Lindgren - Data Management & Analysis, TCEQ
- General Updates/Announcements
 - SWQMIS Updates
- 10:00 **BREAK**
- 10:15 **New Water for Texas? Sea Water Desalination Permitting in the Texas Gulf**– Anne Rogers - Texas Parks and Wildlife
- 10:50 **Water Modeling for Texas** – Tim Whitaker, University of Texas
- 11:35 **Mussel Monitoring**– Lauren Pulliam – SWQM CO, TCEQ
- 11:55 **Field Session Instructions** – Sarah Whitley – SWQM CO, TCEQ
- 12:00 **LUNCH**
- 1:00 **Field Sessions - Sarah Whitley**
We will start at the Medina River for sessions to include:
1. Water Sampling (partial IDAC for SWQM Regions) – Robin Cypher
 2. Flow Measurement (partial IDAC for SWQM Regions) – Randy Rushin
 3. Mussel Bed Hunt – Lauren Pulliam
 4. Benthics as Water Quality Indicators – Bill Harrison
- 5:30 **ADJOURN and complete IDAC (Melissa Keller will provide instructions at the Medina)**

Special Evening Session

- 7:45 – 9:00 SWQMIS Training – Data Management and Analysis, TCEQ

Thursday, November 3

9:00 **Special Updates and Quality Assurance:**

- Procedures Manual Update – Robin Cypher, SWQM, TCEQ
- Cyanobacteria Update – Robin Cypher, SWQM, TCEQ
- Biological Sampling and Metrics Update – Lauren Pulliam/Laura Ryckman/Sarah Whitley, SWQM, TCEQ
- Equipment Update – Chuck Dvorsky/Kirk Fleener, SWQM CO and Region 3, TCEQ

9:30 **Groundwater and Surface Water Interactions-** Ben Schwartz - Texas State University

10:15 **BREAK**

10:30 **Where the Surber Stops: Groundwater Communities Below the Stream Bed–** Ben Hutchins - Texas Parks and Wildlife

11:15 **Effects of Multiple Chemical and Physical Stressors on Stream Ecology –** Peter Van Metre - USGS

12:00 **Lunch**

1:00 **Coal Tar Sealants Effects on Human Health and Aquatic Life –** Barbara Mahler - USGS

1:45 **BREAK**

Boater Refresher Workshop—Pat Bohannon/Melissa Keller

2:00 **Navigation, Safety, and Legal Requirements**

3:30 **ADJOURN**

Please remember to complete the Workshop Survey at:

<https://www.surveymonkey.com/r/FYYWDH2> I will send an email reminder with the link next week.

Thank you everyone for coming and see you next year!

SWQM Workshop 2016

Helpful Information

Mayan Grub Hours:

Breakfast – 7:00-9:00

Lunch – noon-1

Dinner 6:30-7:30

Daily Activities:

Tuesday

1-5 PM – SWQM only general session in the Mayan Conference Center

2:30-4 PM – Special CRP session in the Round-Up Room

5:15 PM - SWQM FOD Committee Meeting in the Round-Up Room

6:30-7:30 PM – Dinner at the pavilion*

Wednesday

7:00-8:30 AM – Breakfast in the dining hall

8:30-Noon – General session in the Mayan Conference Center

Noon-1 PM – Lunch at the pavilion*

1-5:30 PM – Field sessions starting at the pavilion

5:30 PM – IDAC for regional staff at the Medina River

5:30-? – Fish and Bug ID/Sharing

6:30-7:30 PM – Dinner at Hicksville*

7:45-9 PM – Optional special SWQMIS Training in the Round-Up Room

8:00-9:00 – Trivia Game

Thursday

7:00-9 AM – Breakfast in the dining hall **or**

7:45-8:45 AM - Optional Cowboy breakfast hay ride from the pavilion*

9-Noon – General session in the Mayan Conference Center

Noon-1 PM - Lunch at the pavilion*

1-3:30 PM – General session in Mayan Conference Center

General:

*Subject to change due to weather.

Information can be found at: <http://www.mayanranch.com/> Consult the front desk for more information if interested.

Please drive slowly and enjoy quietly. Keep in mind this is also home to the family.

